QC ABSTRACT

NAME OF WORK: Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*150*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	PCC(M15)	Compressive Strength(7days and 28days)	2 sets /6-15 cum	13.5	4	4
8	RCC(M25)	Compressive Strength(7days and 28days)	5 sets /50-100 cum	64.49	10	10
9	RCC(M25)	Compressive Strength(7days and 28days)	1 set /1-5 cum	3.11	2	2
10	RCC(M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	23.31	6	6

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2023-04-10-09** **Date: 16-01-23**
Customer	:	Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-23
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	13-01-23
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	2.1	-
2	Finess by Air permeablity method (m^2/kg,Min)	284.5	225m^2/kg, Min
3	Density (gm/cc)	3.13	-
4	Standard Consistency (%)	28%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Note:

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All information furnished by Agency/Representative

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Authorized Signatory
Quality Manager

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ಜ.ಬ.ಪ.ಪ. ಬೆಂಗಳೂರು-೬೫

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2023-04-10-09 Date: 10-02-23
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-23
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	13-01-23
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

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Authorized Signatory
Quality Manager

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan0630@yahoo.co.in, civilproexperts@gmail.com
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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2023-04-10-09** **Date: 16-01-23**
Customer	:	Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	12-01-23
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	12-01-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	214	214	1.4	98.6	90-100
3	20 mm	7254	7468	49.8	50.2	30-70
4	10 mm	4442	11910	79.4	20.6	10-35
5	4.75 mm	2685	14595	97.3	2.7	0-5
6	Pan	405	15000	100.0	0	---

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-56

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2023-04-10-09** **Date: 16-01-23**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.6	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.3	
3	Specific Gravity	2.64	–
4	Bulk Density(Loose) (Kg/l)	1.49	–
5	Bulk Density(Compacted) (Kg/l)	1.52	–
6	Water Absorption(%)	0.17	–

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Quality Manager

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2023-04-10-09 Date: 14-01-23
Customer	:	Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-23
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	12-01-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	237	237	4.7	95.3	90-100
3	10 mm	2544	2781	55.6	44.4	25-55
4	4.75 mm	2107	4888	97.8	2.2	0-10
5	Pan	112	5000	100	0	-

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2023-04-10-09** **Date: 14-01-23**
Customer	:	Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-23
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	12-01-23
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	22	22	2.2	97.8	90-100	90-100	90-100	95-100
3	2.36 mm	45	67	6.7	93.3	60-95	75-100	85-100	95-100
4	1.18 mm	242	309	30.9	69.1	30-70	55-90	75-100	90-100
5	600 micron	201	510	51.0	49.0	15-34	35-59	60-79	80-100
6	300 micron	208	718	71.8	28.2	5-20	8-30	12-40	15-50
7	150 micron	195	913	91.3	8.7	0-10	0-10	0-10	0-15
8	Pan	87	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2023-04-10-09** **Date: 14-01-23**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	–
2	Specific Gravity	2.59	–
3	Material finer than 75 micron(%)	8.7	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

Note:

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2023-04-10-09** **Date: 13-01-23**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-23
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.
Date of test	:	12-01-23

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory
4	Sunvik	Fe500	16	1.581	572	674	19.0%	Satisfactory	Satisfactory

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	CP-2023-04-10-09 Date: 01-02-23
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-01-23
Sample Type/Size	:	Solid concrete blocks size (400X150X200)mm
Reference to BIS codes	:	IS 2185 (Part 1) : 2005(RA 2020) Concrete Masonry Specification Part 1 Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	28-01-23

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	399	153	200	12209	22.014	1803.0	1809.4	Not less than 1800Kg/m^3
2	400	150	200	12000	21.448	1787.4		
3	401	149	199	11890	21.850	1837.7		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	24.91	23.69	4.89	4.25	Shall not be more than 10% by mass
2	25.57	24.48	4.28		
3	24.44	23.57	3.59		

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-04-10-09** **Date: 30/01/2023**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-01-23
Customer ID	:	Footing Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	30/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Footing Concrete	M25	23/01/2023	30/01/2023	151.10 X 150.71 X 149.50	22772	8.475	539.1	23.7	22.7
2	Footing Concrete	M25	23/01/2023	30/01/2023	149.21 X 150.85 X 149.13	22508	8.709	497.6	22.1	
3	Footing Concrete	M25	23/01/2023	30/01/2023	151.55 X 149.34 X 149.41	22633	8.660	508.2	22.5	

* The results obtained are satisfactory as per standard requirements

Note:

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-04-10-09 **Date: 30/01/2023**

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division

Agency : Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045

Customer's Reference : BBMP/EE/YNK D/EPMT-12/W O/67/2022-23

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 25-01-23

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 30/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Footing Concrete	M25	23/01/2023	30/01/2023	150.17 X 151.91 X 150.43	22812	8.336	539.8	23.7	23.1
2	Footing Concrete	M25	23/01/2023	30/01/2023	150.96 X 149.40 X 150.38	22552	8.519	511.6	22.7	
3	Footing Concrete	M25	23/01/2023	30/01/2023	150.74 X 151.53 X 151.32	22841	8.843	521.5	22.8	

* The results obtained are satisfactory as per standard requirements.

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Authorized Signatory
Quality Manager

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-04-10-09** **Date: 30/01/2023**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-01-23
Customer ID	:	Footing Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	30/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	23/01/2023	30/01/2023	151.47 X 150.46 X 150.46	22790	8.892	541.0	23.7	22.8
2	Footing Concrete	M25	23/01/2023	30/01/2023	150.48 X 151.26 X 151.74	22763	8.829	501.2	22.0	
3	Footing Concrete	M25	23/01/2023	30/01/2023	149.57 X 151.97 X 149.30	22730	8.698	513.0	22.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-04-10-09 **Date: 03/02/2023**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-01-23
Customer ID	:	Plinth Beam Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	03/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth Beam Concrete	M25	27/01/2023	03/02/2023	149.38 X 151.22 X 151.75	22589	8.777	524.0	23.2	22.8
2	Plinth Beam Concrete	M25	27/01/2023	03/02/2023	151.21 X 150.34 X 150.42	22733	8.590	514.0	22.6	
3	Plinth Beam Concrete	M25	27/01/2023	03/02/2023	149.46 X 151.32 X 150.81	22617	8.115	514.0	22.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-04-10-09** **Date: 09/02/2023**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-02-23
Customer ID	:	GF Column Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	09/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Column Concrete	M25	02/02/2023	09/02/2023	150.73 X 150.69 X 150.08	22713	8.272	526.9	23.2	22.9
2	GF Column Concrete	M25	02/02/2023	09/02/2023	150.91 X 150.85 X 151.62	22764	8.713	523.4	23.0	
3	GF Column Concrete	M25	02/02/2023	09/02/2023	151.50 X 150.68 X 151.85	22827	8.556	510.9	22.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-04-10-09** **Date: 07/03/2023**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-03-23
Customer ID	:	GF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	28/02/2023	07/03/2023	151.52 X 149.65 X 150.13	22675	8.199	534.7	23.6	22.9
2	GF Roof Concrete	M25	28/02/2023	07/03/2023	149.17 X 151.36 X 150.99	22579	8.111	502.7	22.3	
3	GF Roof Concrete	M25	28/02/2023	07/03/2023	150.83 X 150.73 X 150.00	22735	8.441	522.2	23.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/03/2023

Lab ID	:	CP-2023-04-10-09
Customer	:	Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-03-23
Customer ID	:	GF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	28/02/2023	07/03/2023	149.39 X 149.65 X 149.98	22357	8.697	515.0	23.0	22.6
2	GF Roof Concrete	M25	28/02/2023	07/03/2023	149.23 X 149.64 X 149.22	22331	8.550	503.7	22.6	
3	GF Roof Concrete	M25	28/02/2023	07/03/2023	151.50 X 149.34 X 149.15	22625	8.726	504.9	22.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-04-10-09** **Date: 28/03/2023**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-03-23
Customer ID	:	GF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	28/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	28/02/2023	28/03/2023	149.89 X 151.10 X 149.62	22648	8.431	613.1	27.1	27.4
2	GF Roof Concrete	M25	28/02/2023	28/03/2023	151.68 X 149.56 X 149.13	22685	8.206	604.8	26.7	
3	GF Roof Concrete	M25	28/02/2023	28/03/2023	150.80 X 151.17 X 150.25	22796	8.641	646.0	28.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/03/2023

Lab ID	:	CP-2023-04-10-09
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, Ist Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-03-23
Customer ID	:	GF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	GF Roof Concrete	M25	28/02/2023	07/03/2023	150.91 X 151.08 X 149.25	22799	8.841	543.6	23.8	23.0
2	GF Roof Concrete	M25	28/02/2023	07/03/2023	150.87 X 151.64 X 149.29	22878	8.988	516.5	22.6	
3	GF Roof Concrete	M25	28/02/2023	07/03/2023	150.42 X 150.40 X 150.58	22623	8.297	509.7	22.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-04-10-09** **Date: 28/03/2023**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W.O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-03-23
Customer ID	:	GF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	28/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	28/02/2023	28/03/2023	151.32 X 149.40 X 149.73	22608	8.705	620.8	27.5	27.5
2	GF Roof Concrete	M25	28/02/2023	28/03/2023	150.07 X 150.75 X 149.02	22623	8.166	599.1	26.5	
3	GF Roof Concrete	M25	28/02/2023	28/03/2023	150.15 X 149.46 X 149.21	22440	8.565	639.2	28.5	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested
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Samples will be disposed after 30 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-04-10-09** **Date: 18/03/2023**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-03-23
Customer ID	:	RCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	18/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC	M15	11/03/2023	18/03/2023	151.49 X 151.11 X 151.28	22892	8.503	292.7	12.8	12.5
2	RCC	M15	11/03/2023	18/03/2023	150.14 X 150.21 X 149.95	22553	8.863	272.6	12.1	
3	RCC	M15	11/03/2023	18/03/2023	150.23 X 150.27 X 149.33	22575	8.743	285.9	12.7	

* The results obtained are satisfactory as per standard requirements.

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CIVIL Pro Sig Date BANGALORE

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Authorized Signatory
Quality Manager

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-04-10-09
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore. **Date: 08/04/2023**
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Garadi Mane at Nisarga Ground, Yelahanka 4th Phase in Someshwara ward no-03 of Yelahanka Satellite town sub division
Agency	:	Sri K Shankar Reddy, Ramachandrappa Layout # 31st Cross, 1st Main Arabic College Post Veeranna Palya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W O/67/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-03-23
Customer ID	:	RCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	08/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC	M15	11/03/2023	08/04/2023	150.15 X 151.04 X 151.00	22679	8.969	386.3	17.0	17.6
2	RCC	M15	11/03/2023	08/04/2023	149.07 X 151.37 X 151.80	22565	8.112	404.4	17.9	
3	RCC	M15	11/03/2023	08/04/2023	150.15 X 150.79 X 150.92	22641	8.735	406.8	18.0	

* The results obtained are satisfactory as per standard requirements

Note:

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